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APPLICATION	NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/010,140	1	12/06/2001	Jan Eirik Ellingsen	AWZ-003	4761
959	7590	05/19/2005		EXAMINER	
LAHIV	E & COCK	KFIELD, LLP.	ISABELLA, DAVID J		
28 STATE STREET BOSTON, MA 02109				ART UNIT	PAPER NUMBER
200000, 0000 0000				3738	
				DATE MAILED: 05/19/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)					
Office Action Commons	10/010,140	ELLINGSEN ET AL.					
Office Action Summary	Examiner	Art Unit					
	DAVID J ISABELLA	3738					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on 22 Fe	ebruary 2005.	•					
2a) This action is FINAL . 2b) ⊠ This	action is non-final.						
	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	i3 O.G. 213.					
Disposition of Claims							
4) Claim(s) 1-40 is/are pending in the application.							
4a) Of the above claim(s) 8,18 and 20-40 is/are	4a) Of the above claim(s) <u>8,18 and 20-40</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-7 and 9-17</u> is/are rejected.	Claim(s) <u>1-7 and 9-17</u> is/are rejected.						
· · · · · · · · · · · · · · · · · · ·	7) Claim(s) 19 is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.						
Application Papers							
9) The specification is objected to by the Examine	r.	•					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:							
1.⊠ Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
	·	•					
Attachment(s)							
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	Paper No(s)/Mail Do	ate Patent Application (PTO-152)					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 6) Other:							

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Election/Restrictions

Newly amended claims 8, 18,20-40 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons: The claim is directed to a method for making a prosthesis or an implant. The implant does not require the specifics of the method and applicant has received consideration directed to the implant and not to the method.

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claim 8 is withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 6, 7 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The claims as worded positively includes the a body of a mammal (eg.human) as part of the device or implant. Applicant should define the layer as being adapted to be in contact with bone or other tissues.

Claim Rejections - 35 USC § 112

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The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 7, 12-15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The preamble of claim 7 describes the function of the device as "replacing or restores" a function of the body. The two functions, within the prosthetic art, are not equivalent. Moreover, the claim lacks positive recitation of structures that enable the device to function perform the myriads of functions as claimed.

Claims 12-15 fails to positively define the device. The claim as worded is directed to a method for using the device, which fails to positively limit the same.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-7,9-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hama et al (4818559) in view of Lee et al (6190412).

Hama et al discloses a prosthetic device comprising a substrate of titanium or alloy thereof with a layer of titanium hydride thereon. The device includes a coating of

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hydroxyapatite onto the hydride layer. Lee, et al teaches adding a biomolecule to the hydroxyapatite substratum to attract progenitor cells induce new bone formation onto the prosthetic device. In view of the teachings of Lee, et al, to add a biomolecule. (TRAP) to the hydroxyapatite substratum of Hama et al in order to facilitate and induce new tissue formation would have been obvious to one with ordinary skill in the art.

Claims 5 and 10, while Lee et al does not specifically disclose the amount of biomolecule used, Lee, et al does state the the dosages of TRAP can be tittered and defined based on baseline factors. (see column 8, lines 50+) If not inherent, applicant's range is rather large and the concentration of TRAP may well fall within applicant's range depending on the specified treatment modalities suggested or determined by the surgeon.

Allowable Subject Matter

Claim 19 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DAVID J ISABELLA whose telephone number is 703-308-3060. The examiner can normally be reached on MONDAY-THURSDAY.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, CORRINE MCDERMOTT can be reached on 571-272-4754. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DAVID THEABELLA Primary Examiner Art Unit 3738 Page 5

DJI May 12, 2005